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Date: 1/12/2013 7:14:46 PM
Subject: Donlin EIS: Scoping meeting presentation
Attachments: ScopingMeetingPresentation Jan 14 2013.pdf

Friends,

First of all, thanks to the week one traveling team for a very constructive work session on Wednesday, January 9, 2013. We reviewed the presentation and the Open House posters. The feedback on the materials and the role plays of anticipated questions were truly excellent. Your collective experience with public meetings in many contexts was clear, and these were great contributions.

Please find attached the scoping meeting presentation, in the version we will use starting Monday, January 14, 2013.

(Rachel, please arrange to have this file posted to the Donlin Gold EIS website. Let's include the link on the first page under

Announcements, and then on the Get Involved page, just below the link in the left hand box for the first newsletter.)

Thanks to all.

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Donlin Gold Project Environmental Impact Statement

Don Kuhle, US Army Corps of Engineers

Scoping Meetings
January – March, 2013



9/13/2018



Agenda

Introductions

Why We Are Here

EIS Project Milestones and Schedule

Overview of the Donlin Gold Project

Example Issues and Concerns

How to Get Involved



Why We Are Here

Donlin Gold, LLC has proposed an open pit gold mine 10 miles north of Crooked Creek, a community on the Kuskokwim River

US Army Corps of Engineers to prepare EIS to identify and analyze potential impacts

Scoping meetings are a first step in the EIS



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Populated Places (By Population)

- 0 - 700
- 701 - 6000
- 6001 - 254849



General Project Location

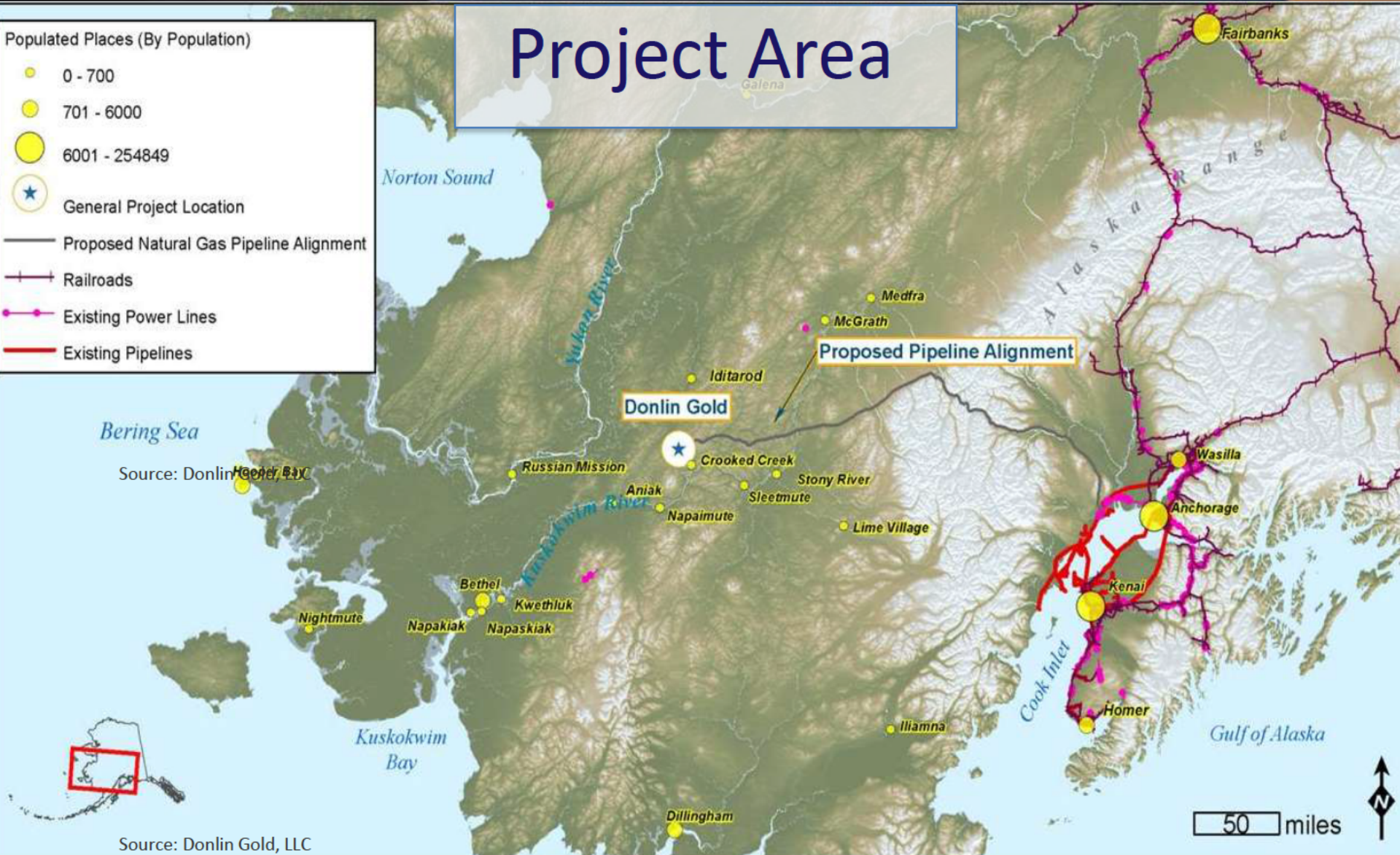
Proposed Natural Gas Pipeline Alignment

Railroads

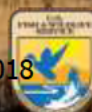
Existing Power Lines

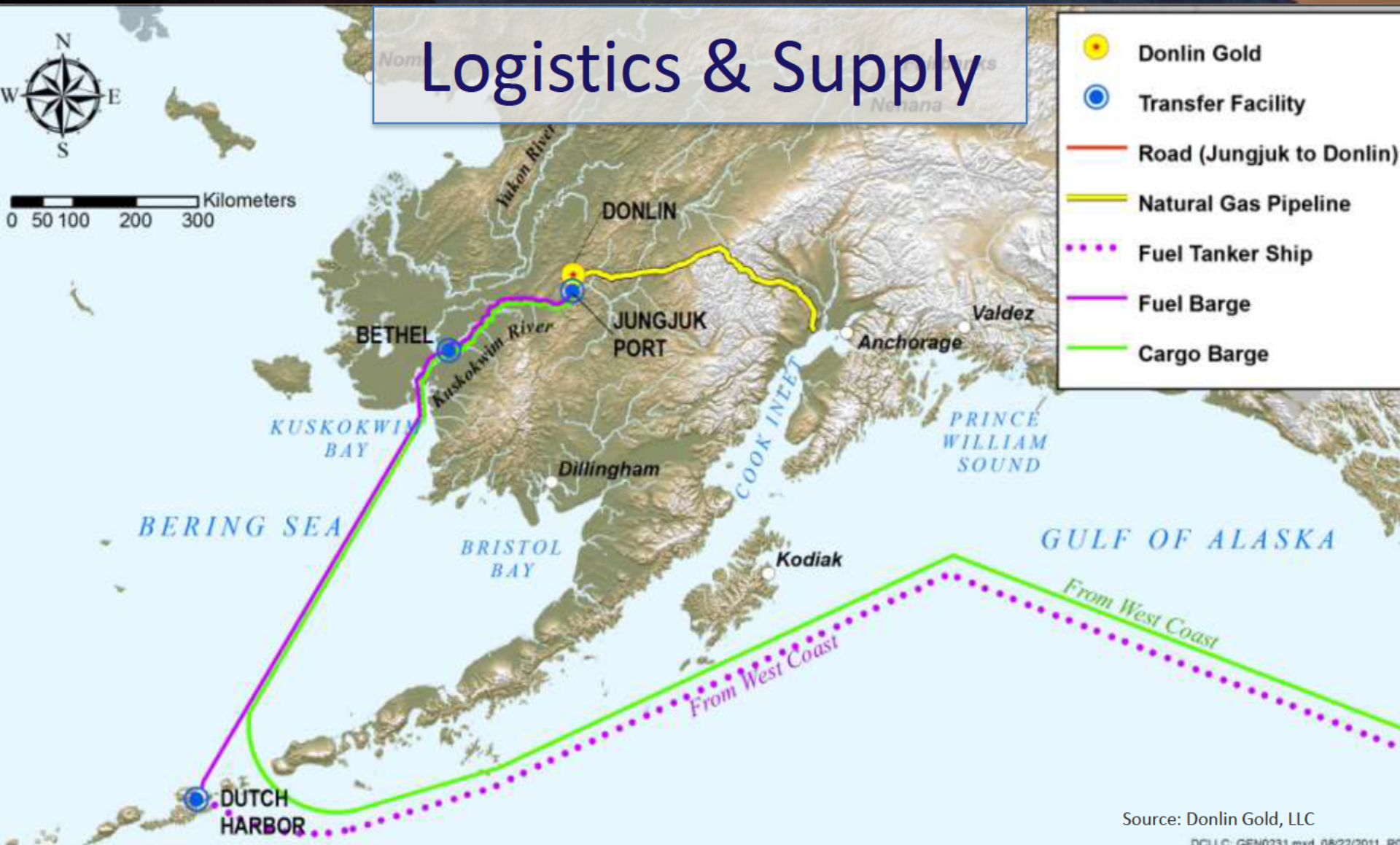
Existing Pipelines

Project Area



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Source: Donlin Gold, LLC

DCLLC: GEN0231.mxd, 08/22/2011, R6



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Why Prepare an EIS?

Donlin Gold, LLC submitted permit applications for mine project

Under NEPA*, Corps prepares an EIS to evaluate permit applications with regard to:

- Section 404, Clean Water Act
- Section 10, Rivers and Harbors Act

Corps makes a decision to issue or deny permits

Other federal and state agencies make permitting decisions

- Based on EIS and
- Applicable federal and state laws

** National Environmental Policy Act*



Lead and Cooperating Agencies

Corps is lead federal agency

Cooperating agencies:

- Bureau of Land Management
- Environmental Protection Agency
- U.S. Fish and Wildlife Service
- Pipeline and Hazardous Materials Safety Administration
- State of Alaska

Cooperating Tribal Governments:

- Crooked Creek
- Chuathbaluk
- Napaimute

Regional Cooperators:

- Kuskokwim River Watershed Council



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Major Federal Permits & Consultations

Clean Water Act Section 404/ Rivers and Harbors Act Section 10
(US Army Corps of Engineers)

Rights of Way *(Bureau of Land Management)*

Prevention of Significant Deterioration Air Quality Review
(Environmental Protection Agency)

Endangered Species Act Section 7 Consultation *(U.S. Fish & Wildlife Service/ National Marine Fisheries Service)*

Pipeline Special Permit *(Pipeline and Hazardous Materials Safety Administration)*

Essential Fish Habitat Consultation *(NMFS)*



Major State of Alaska Permits

Pipeline Rights of Way / Reclamation Plan Approval and Bonding / Port & Road Rights of Way / Dam Safety Certification *(Alaska Department of Natural Resources)*

Wastewater Alaska Pollutant Discharge Elimination System Permit/ Integrated Waste Permit and Bonding Air Quality Permit / Air Quality Permit / Spill Prevention & Response *(Alaska Department of Environmental Conservation)*

Fish Habitat Permits *(Alaska Department of Fish & Game)*



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EIS Milestones

- EIS process allows for full disclosure of potential effects of proposed project
- Opportunity for tribes and local communities to understand proposal, voice concerns

Notice of intent to prepare EIS

December 14, 2012

Scoping:
Meetings & Comments

*December 14, 2012 -
March 29, 2013*

We are here

Draft EIS

Estimated: August, 2014

Public Review of Draft EIS
Meetings & Comments

*Estimated: August - November,
2014*

Final EIS

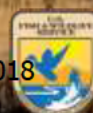
Estimated: October, 2015

Record of Decision

Estimated: November, 2015



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Purpose of Scoping

(b) (6)

Share information about proposed project

Provide information about EIS milestones

Identify issues ☐ concerns to examine in EIS

Identify useful information from communities

(b) (6)



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Scoping Meetings

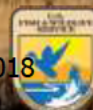
January – March 2013

Week 1	Communities	Week 2	Communities	Week 3	Communities	Week 4	Communities
Mid January	Crooked Creek	Late January	Quinhagak	February	Toksook Bay	March	
	Aniak		Kipnuk		Hooper Bay		Holy Cross
	Bethel		Nunapitchuk		Emmonak		McGrath
	Anchorage		Akiak		Saint Mary's		

- 13 community meetings in the project area
- 1 meeting in Anchorage
- Scoping ends on March 29, 2013



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Project Area Communities



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Questions on EIS Process



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Donlin Gold Project Summary

Donlin Gold, LLC proposed gold mine:

- Calista Corporation - subsurface owner
- The Kuskokwim Corporation - surface owner

Large-scale development

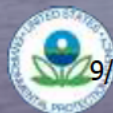
- About 1 million ounces of gold produced per year
- 27.5 years estimated mine life
- 59,000 tons of ore processed each day



Donlin Gold Project Summary

Remote project area, undeveloped lands and waters

- Cook Inlet to Kuskokwim River valley
- 66 communities rely on lands, resources, and economic opportunities that could be affected by project
- Many permits required, many agencies involved



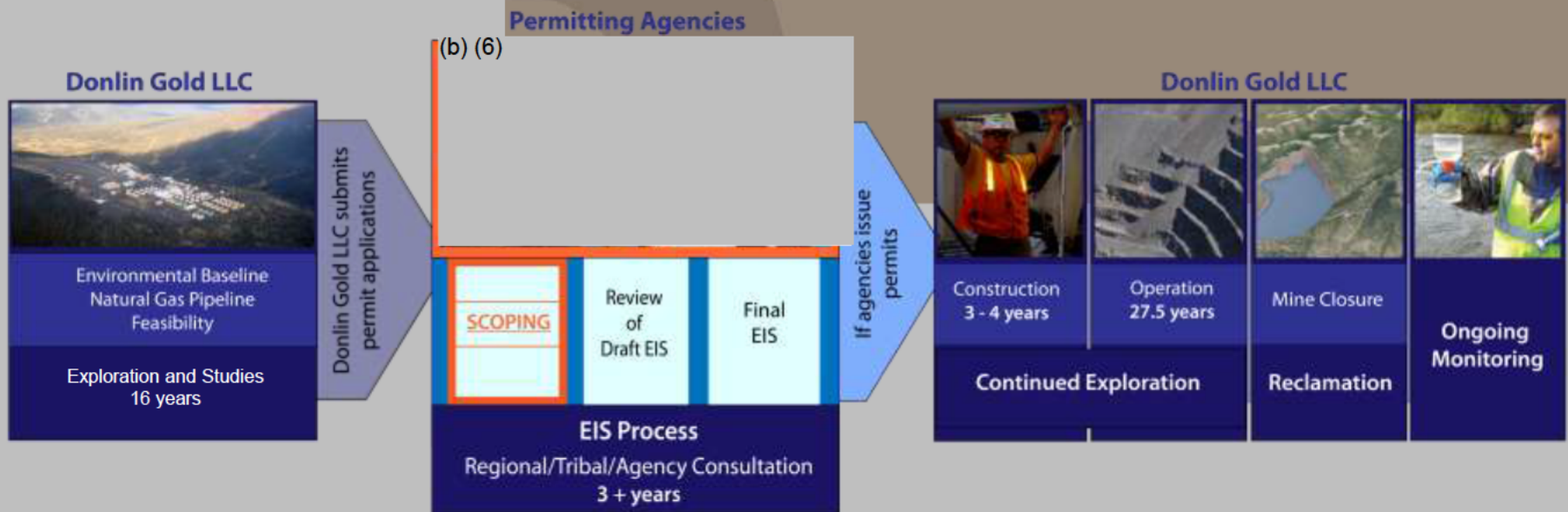
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Donlin Gold Project Summary

- 16 years of studies, 3 years of permitting
- 3-4 years of construction, 27.5 years of operation
- Reclamation at closure, permanent monitoring, water management

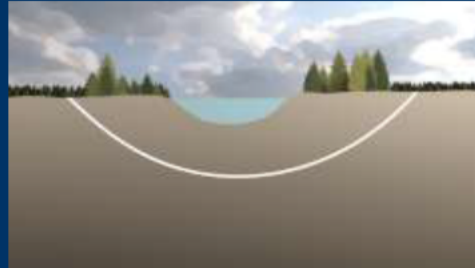
Timeline Donlin Gold Project



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Major Components



Pipeline

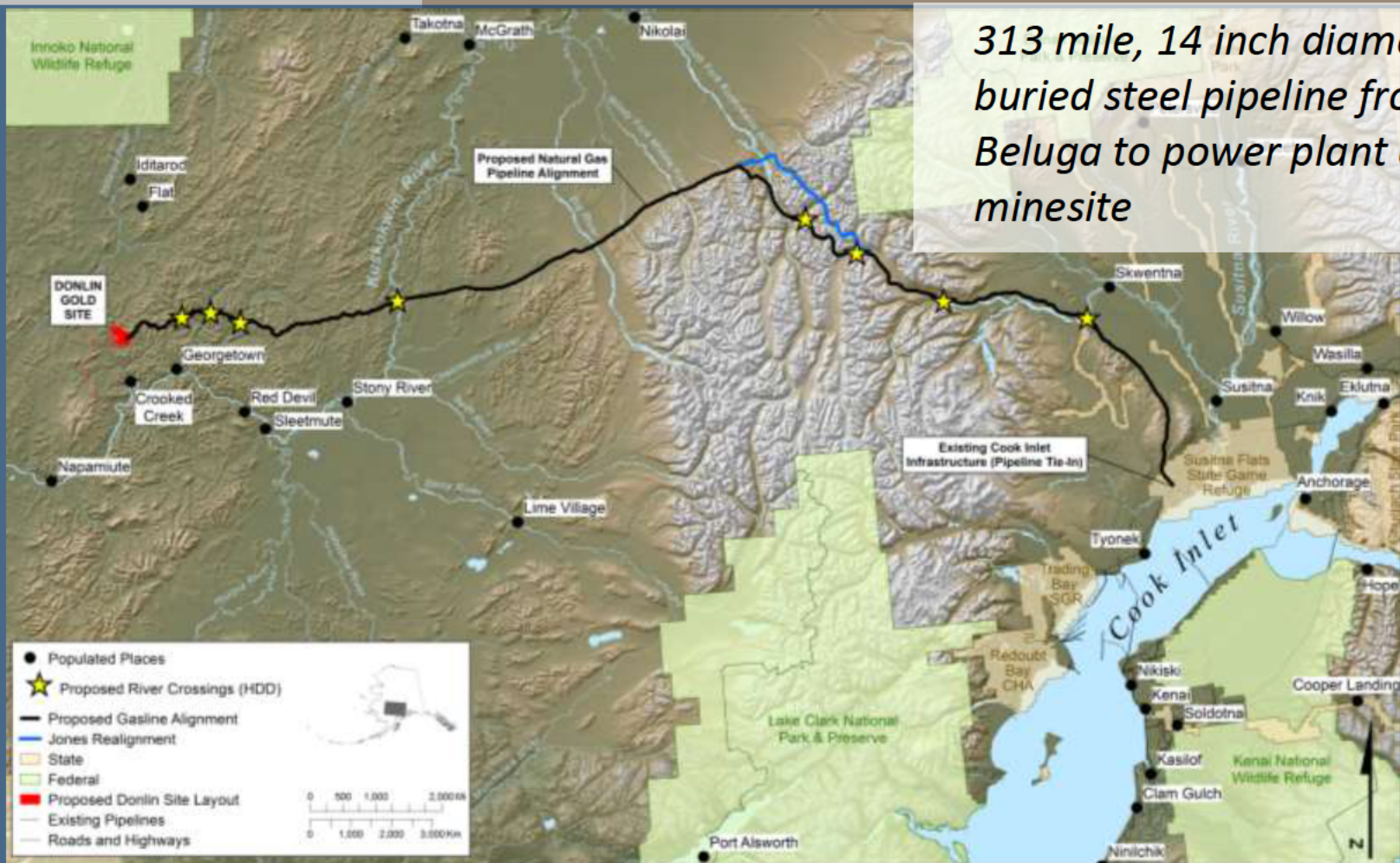
- Buried pipe: 200-ft construction right-of-way; 50-ft maintenance right-of-way
- Horizontal Directional Drilling (HDD) under 8 major river crossings
- 19 mainline block valves (about 1 every 20 miles)

Power Plant

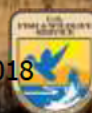
- Total connected load of 227 MW (scale of energy for Fairbanks)



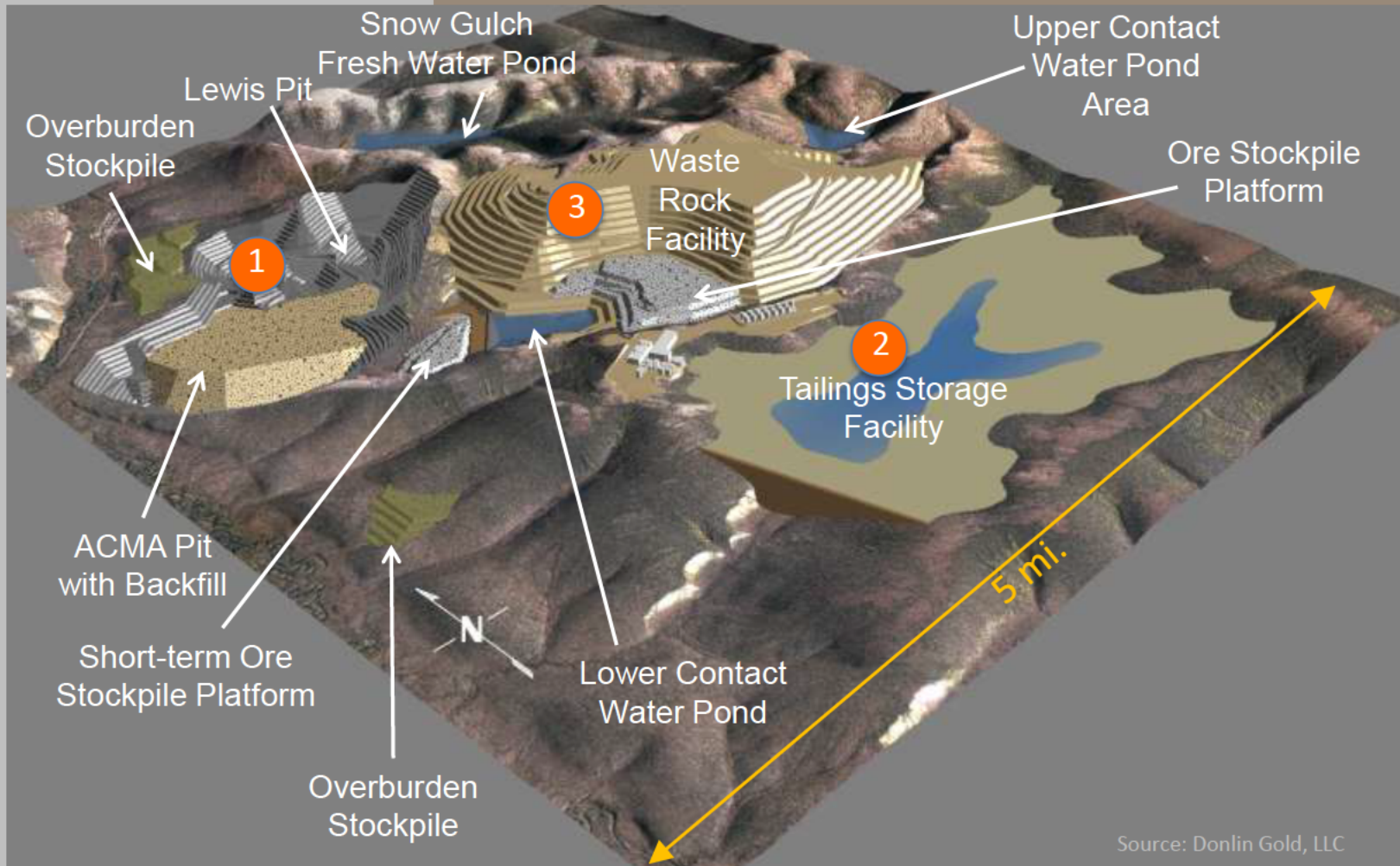
Pipeline Route



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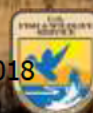
Mine Site Layout



Source: Donlin Gold, LLC



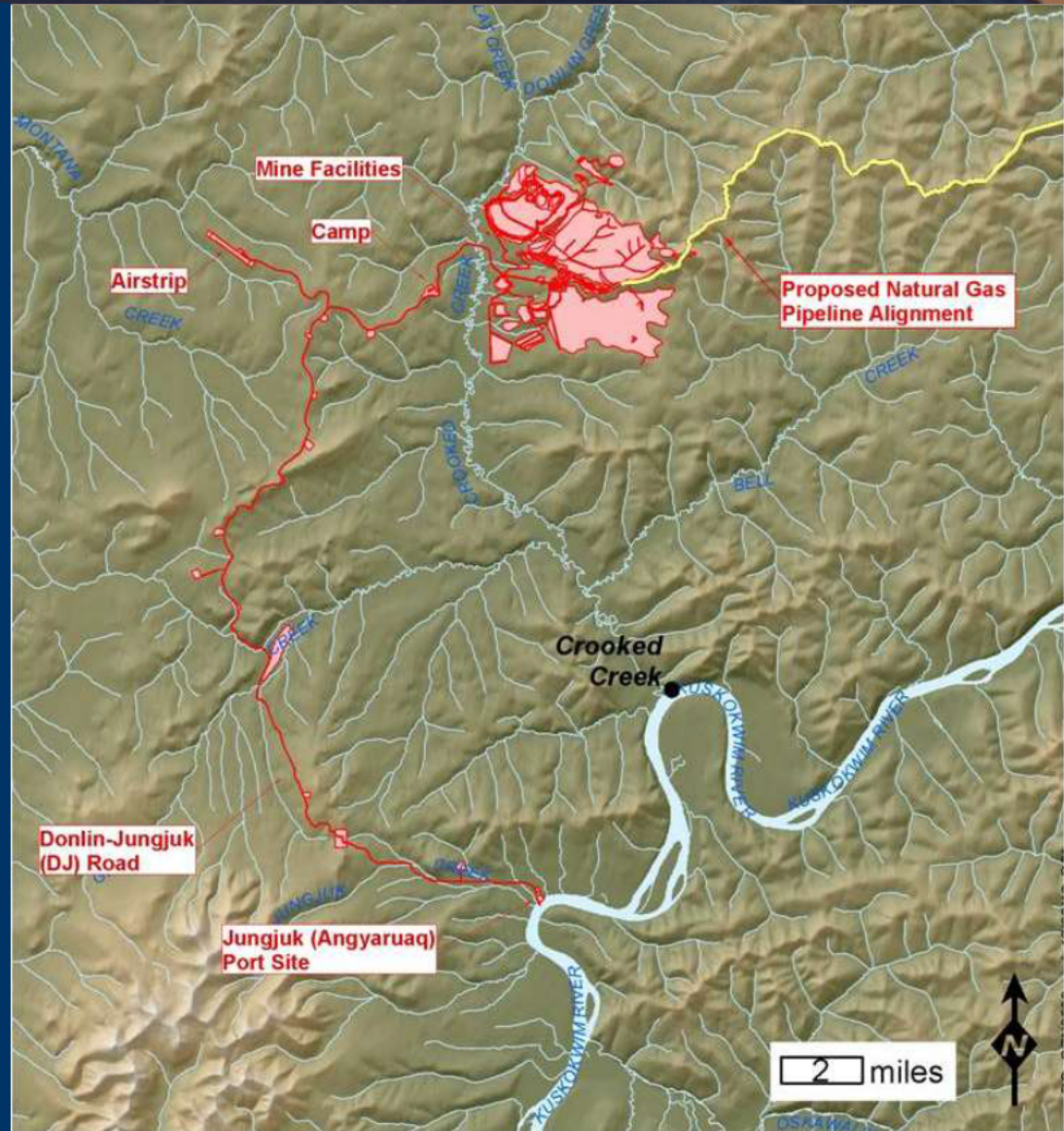
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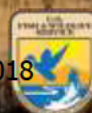
Infrastructure

Transportation

- Port facilities in Bethel
- New barge landing near Jungjuk
- 30-mile road
- 5000-foot airstrip
- 40 million gallon diesel storage at minesite



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Infrastructure

Barge Transportation:

- 110-day season
- About three passings/day
- Four barges/tow
- 64 cargo barge tows/season
- 58 fuel barge tows/season
- Cargo barges carry 550 tons each
- Fuel barges carry 173,000 gallons each

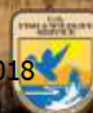
Simulation: Donlin Gold, LLC



Simulation of Jungjuk Barge Landing



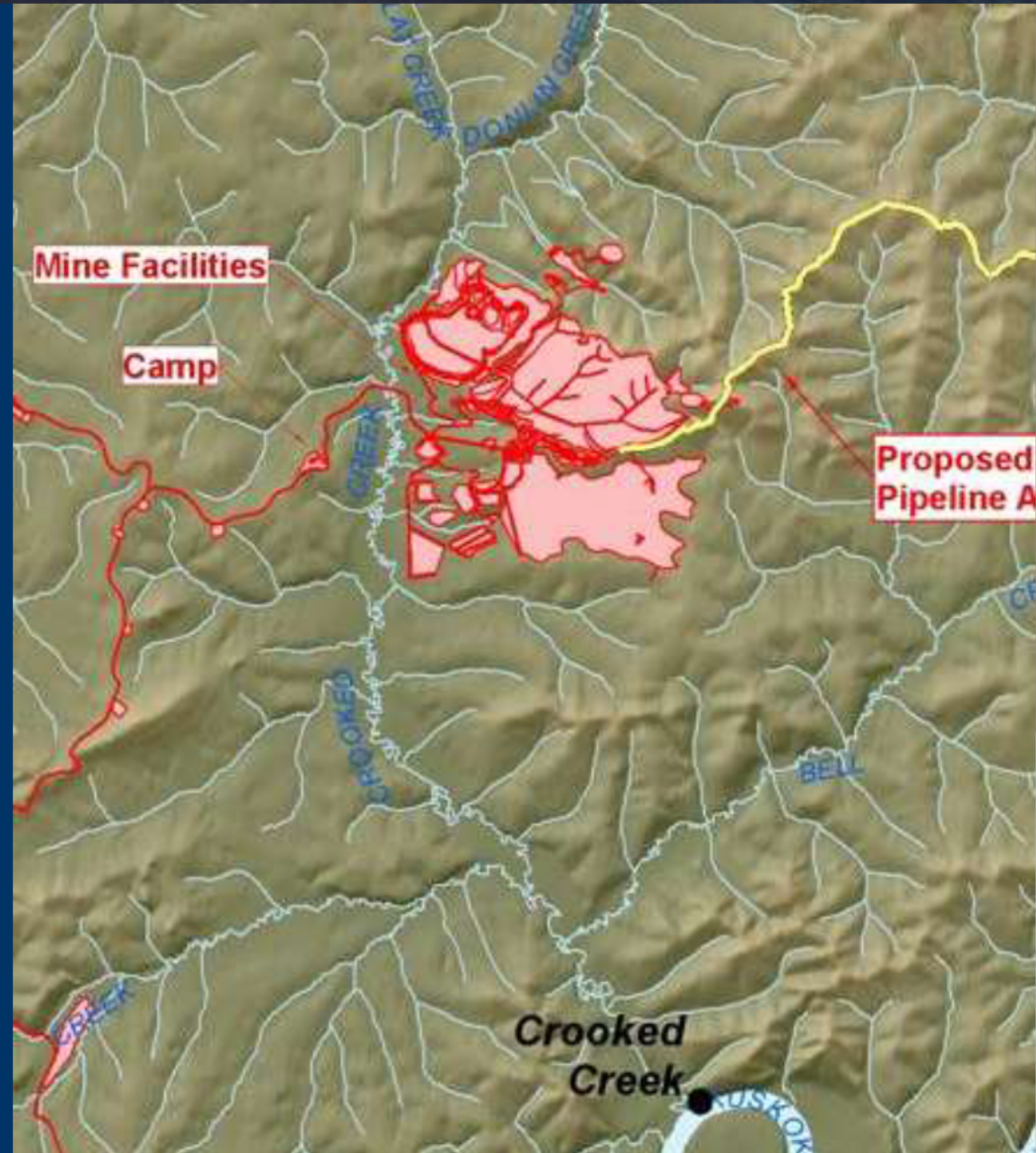
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Infrastructure

Camp

- 2500-bed construction camp
- 600-bed permanent camp



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Questions on Project Description



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Example Issues and Concerns



Caleb Foster

Water Resources

- Surface water diversion
- Ground water consumption
- Mine dewatering
- Acid mine drainage/ metal leaching
- Managing runoff from waste rock and tailings facilities



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Example Issues and Concerns

Air Quality

- Vehicles, power plant, dust
- Climate change considerations

Mercury

- Fugitive mercury from the rock
- Mercury stack emissions
- Storage and transport of collected mercury (called a co-product)

Fuel or Hazardous Materials Spills



Example Issues and Concerns



Wetlands and Vegetation

- Construction, fill, spills

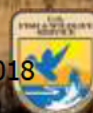
Fish and Wildlife

- Habitat loss
- Disturbance

River Travel

- Barge traffic

Subsistence and Traditional Land Uses



Example Issues and Concerns



Community Life

- New workforce
- New employment, income
- Effects on community and human health

Cultural Resources

Recreation and Visual Resources *(including the Iditarod National Historic Trail)*



How to Get Involved

Participate:

Attend scoping meetings

Visit the website:

DonlinGoldEIS.com

Contact:

US Army Corps of Engineers, Alaska District

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Questions and Scoping Comments



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